COMPLETE LISTING OF CLAIMS

IN ASCENDING ORDER WITH STATUS INDICATOR

1. (Cancel)

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6. (Previously Amended and Amended Herein) [A] An isolated double transdominant fusion gene, comprising:

a *tat* transdominant mutant gene, wherein codons of said tat mutant gene which code for basic amino acids at positions 52 to 57 of the Tat protein are replaced with codons which code for neutral amino acids;

a *rev* transdominant mutant gene, wherein the codons of the rev mutant which code for amino acids at positions 80 to 82 of the Rev protein have been deleted; and

codon coding for histidine, wherein said histidine comprises a histidine bridge[s] [and] that links the Tat transdominant mutant protein to the Rev transdominant mutant protein.

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9. (New) A vector comprising said isolated double transdominant fusion gene of claim 6, wherein said gene is operably linked to a promoter.

10. (New) A transdominant protein produced by the vector of claim 9.

11. (New) An isolated double transdominant fusion gene, comprising a *tat* transdominant mutant gene having a substituted basic domain in which basic amino acids are replaced by neutral amino acids, said *tat* transdominant mutant gene is operably linked to a *rev* transdominant mutant gene having a deletion in a leucine-rich coding domain, wherein the double transdominant fusion gene product inhibits HIV expression.

12. (New) The transdominant fusion gene of claim 11, wherein the *tat* and *rev* transdominant mutant genes are linked by a codon which codes for a histidine bridge.

13. (New) A vector comprising said isolated double transdominant fusion gene of claim 11, wherein said gene is operably linked to a promoter.

14. (New) A transdominant protein produced by the vector of claim 13.

15. (New) A method of inhibiting HIV replication in a HIV infected cell *in vitro*, comprising:

delivering to the HIV infected cell *in vitro* an effective amount of the vector of claim 13, from which is expressed the double transdominant fusion gene product.